

囊裸藻属一新种

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A new species of *Trachelomonas* (Euglenophyta) from China

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Key words *Trachelomonas*; *T. heteromorpha* Q. X. Wang; New species; China

关键词 囊裸藻属; 异形囊裸藻; 新种; 中国

异形囊裸藻 新种 图1, 图2

Trachelomonas heteromorpha Q. X. Wang, sp. nov. Fig. 1, Fig. 2

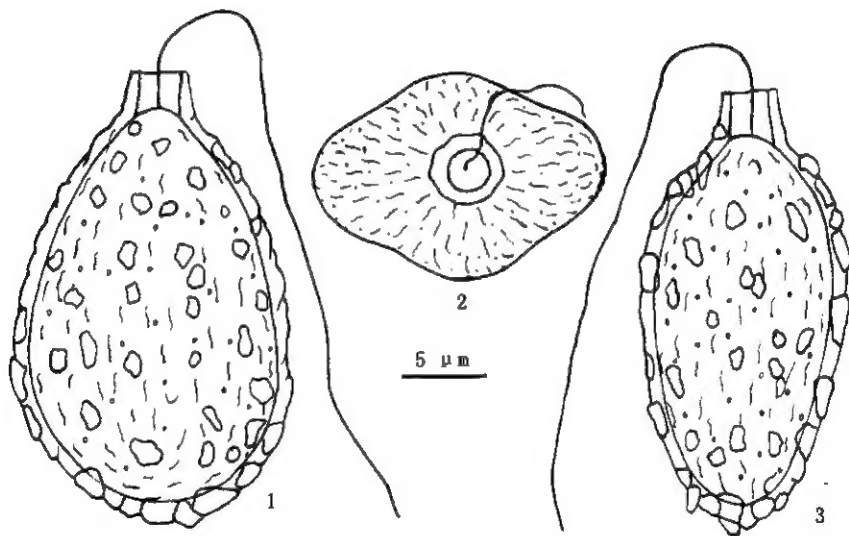


图1 异形囊裸藻 1. 正面观; 2. 顶面观; 3. 侧面观。

Fig. 1 *Trachelomonas heteromorpha* Q. X. Wang 1. Front view; 2. Top view; 3. Side view.

Species nova cum *T. granulatopsi* Shi congruens, sed a qua lorica ovata e fronte visa, obovata e latere visa, poro flagelli collo instructo distincta.

Lorica ovata a fronte visa, antice angusta, postice late rotundata et plerumque inispista, interdum caudato-papillata, obovata a latere visa, antice lata, postice angusta, brunnea vel fulva. Superficies loricae scabrosa, tuberculis irregularibus et punctis sparsis instructa (lorica per microscopum electronicum visa e granis composita). Porus flagelli collo recto vel paulo obliquo antice paulo angusto margine planiusculo instructus. Flagellum longitudine lorica aequans vel ea paulo

longius. Lorica $23.5 \sim 24 \mu\text{m}$ longa, $16 \sim 18 \mu\text{m}$ lata, $12 \sim 14 \mu\text{m}$ crassa; collum $3 \sim 4 \mu\text{m}$ altum, parte angusta circa $3 \mu\text{m}$ latum, parte basilari $4 \sim 4.5 \mu\text{m}$ latum, poro colli circa $3 \mu\text{m}$ diam.

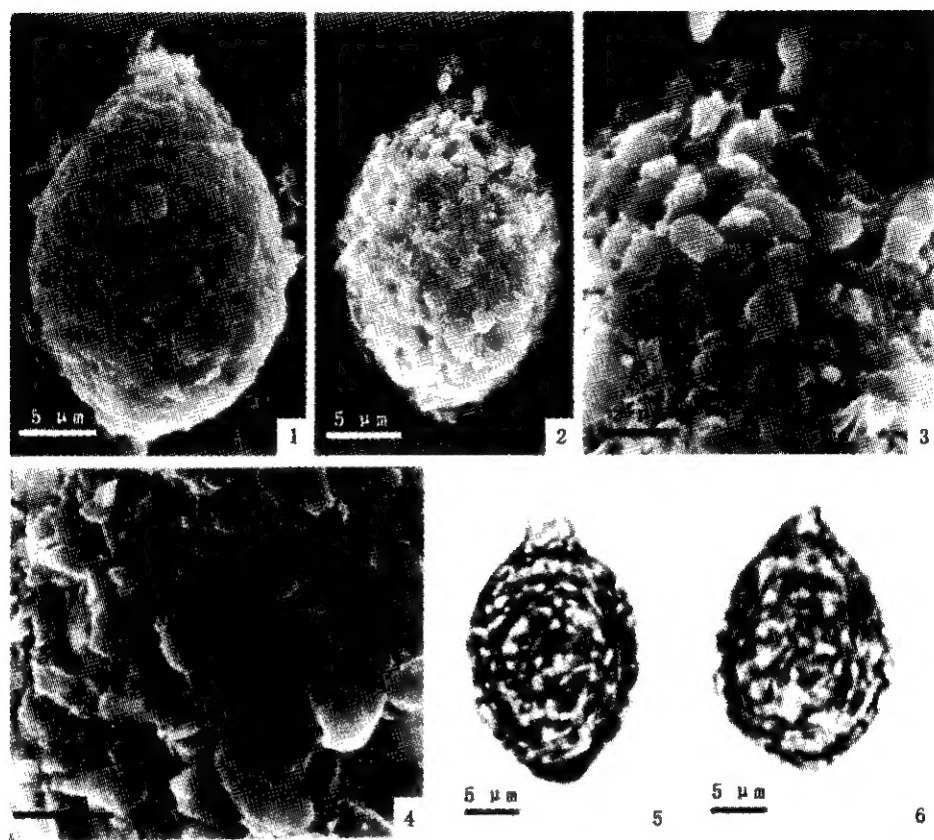


图2 异形囊裸藻 1~4. 囊壳扫描电镜照片 1. 正面观; 2. 侧面观; 3. 前部放大; 4. 中部放大。
5~6. 光镜照片 5. 正面观; 6. 侧面观。

Fig. 2 *Trachelomonas heteromorpha* Q. X. Wang 1~4. SEM micrographs of lorica 1. Front view; 2. Side view; 3. Magnification of anterior; 4. Magnification of middle part of lorica 5~6. LM micrographs of lorica 5. Front view; 6. Side view.

China. Heilongjiang (黑龙江): Mudanjiang (牡丹江), Ningan (宁安), in rice field, water temp. 27°C , pH7.5, 1995-07-05, Q. X. Wang (王全喜) HLJ95118 (holotype, here designated, HANU).

囊壳正面观卵形, 前端窄, 后端宽圆且常加厚, 有时具小的乳头状尾突; 侧面观倒卵形, 前端宽, 后端狭窄。褐色或黄褐色。表面粗糙, 具不规则的瘤状突起和稀疏的细点纹; 电镜下观察囊壳由块状颗粒组成, 具稀疏孔纹; 鞭毛孔具一直或稍斜的领, 领口平截; 领的前端较基部窄, 内径上下一致。鞭毛比囊壳稍长或等长。囊壳长 $23.5 \sim 24 \mu\text{m}$, 宽 $16 \sim 18 \mu\text{m}$, 厚 $12 \sim 14 \mu\text{m}$; 领高 $3 \sim 4 \mu\text{m}$, 前端宽约 $3 \mu\text{m}$, 基部宽 $4 \sim 4.5 \mu\text{m}$, 内径约 $3 \mu\text{m}$ 。

新种与拟颗粒囊裸藻 *T. granulopsis* Shi 相近, 但鞭毛孔具领, 囊壳正面观卵形, 侧面观倒卵形, 易与后者区别。

致谢 本文承蒙施之新先生审阅并做拉丁文修改, 谨此致谢。

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